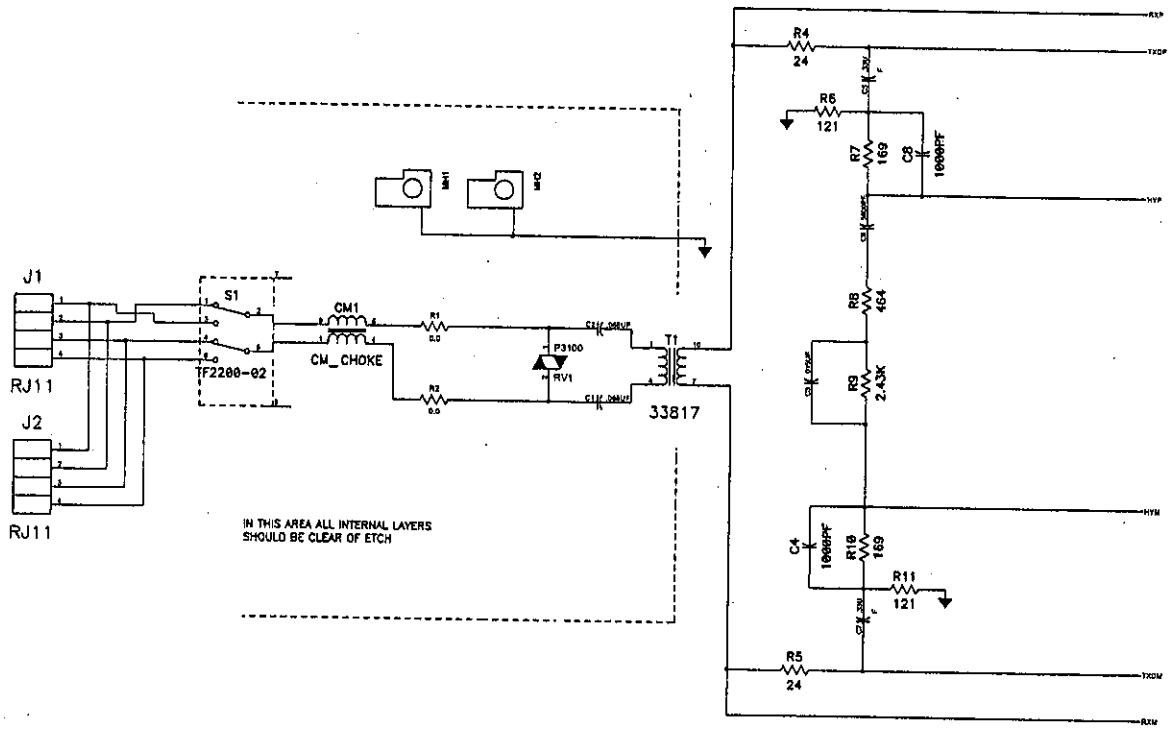
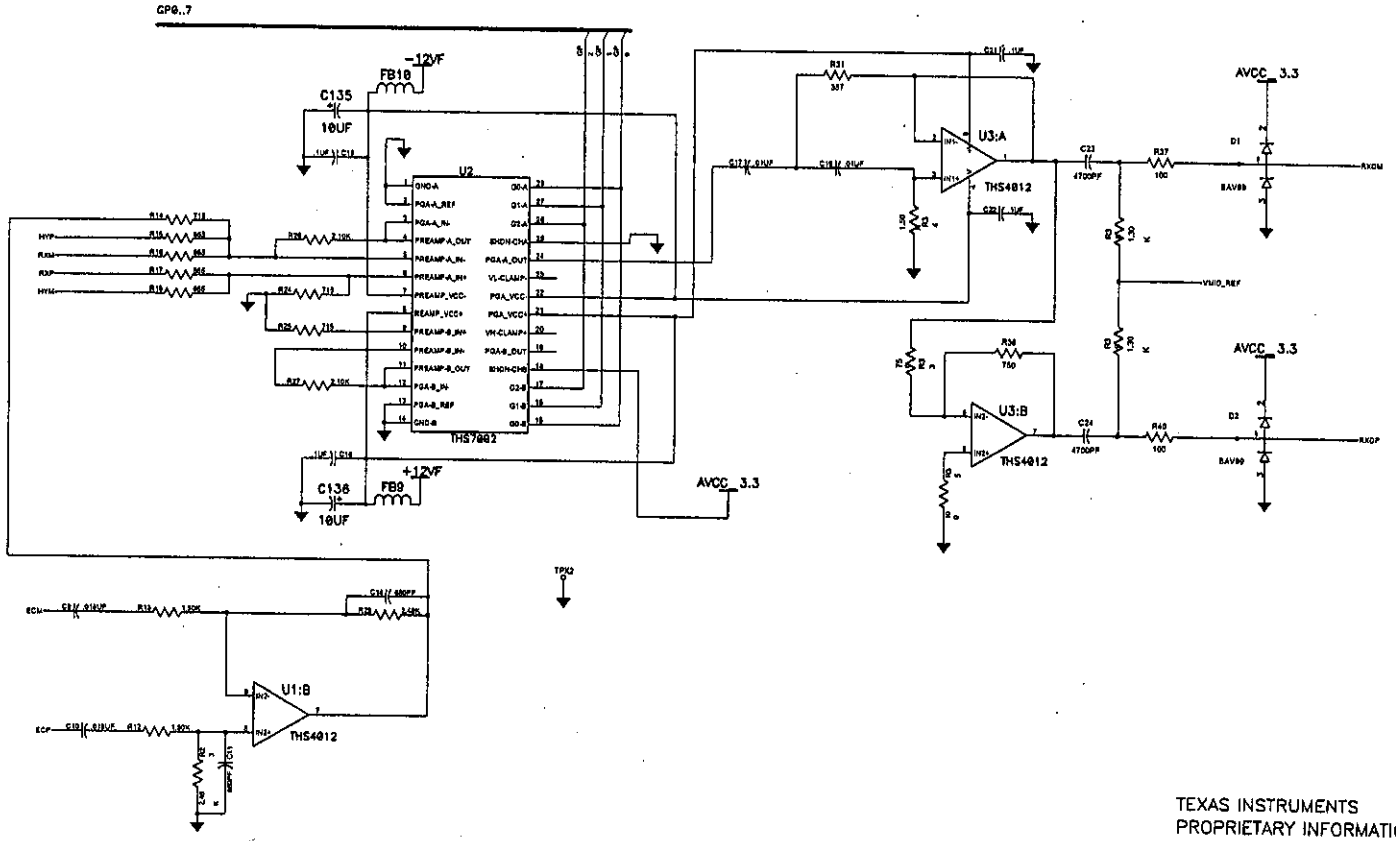
EXHIBIT D

Circuit Diagram



TEXAS INSTRUMENTS
PROPRIETARY INFORMATION
INTERNAL DATA

Title: ADSL PCI NIC		
Size: C	Number: 101-001-6 (CLEAR/YELLOW)	Rev: 6
Date: 8/16/99	Drawn by: J. MOODY	
Filename:	Sheet 1 of 8	



TEXAS INSTRUMENTS
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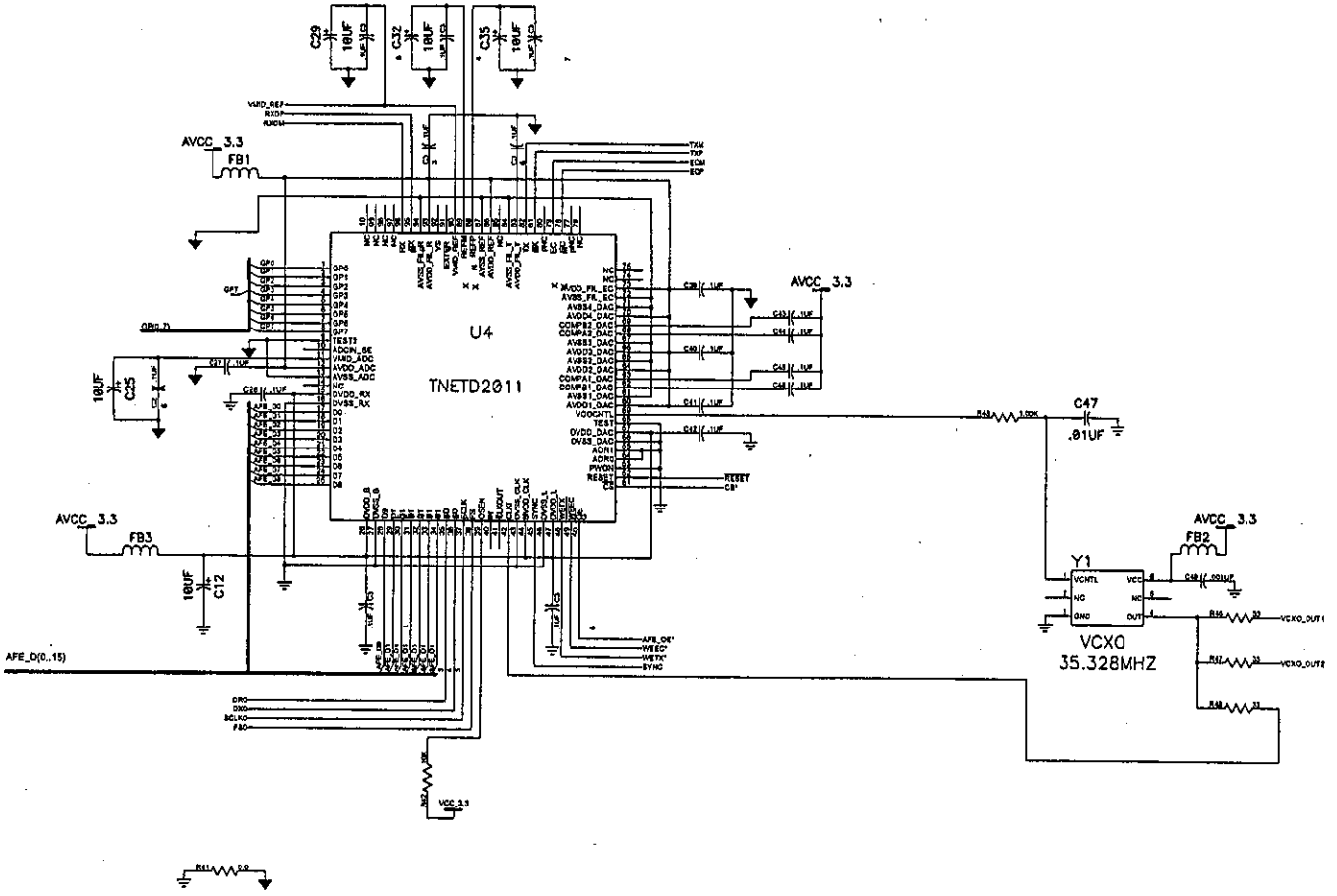
INTERNAL DATA

Title	ADSL PCI NIC	
Size: C	Number: 101-001-6 (CLEAR/YELLOW)	Rev: 6
Date: 8/16/99	Drawn by: J. MOODY	
Filename	Sheet 2 of 8	



TEXAS INSTRUMENTS
PROPRIETARY INFORMATION
INTERNAL DATA

Title	ADSL PCI NIC		
Size C	Number 101-001-6 (CLEAR/YELLOW)		Rev 6
Date 8/16/99		Drawn by J. MOODY	
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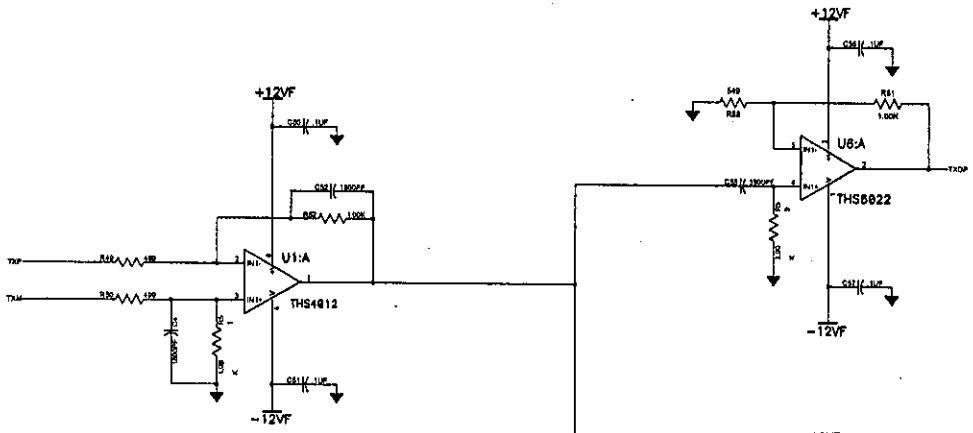
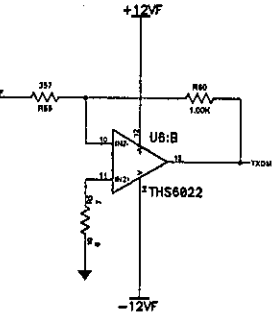
TEXAS INSTRUMENTS
PROPRIETARY INFORMATION
INTERNAL DATA





NOTE: THS6022 HAS A HEAT SINK PAD ON THE BOTTOM OF THE PACKAGE. THIS PAD SHOULD BE SOLDERED TO THE GND PLANE.

TEXAS INSTRUMENTS
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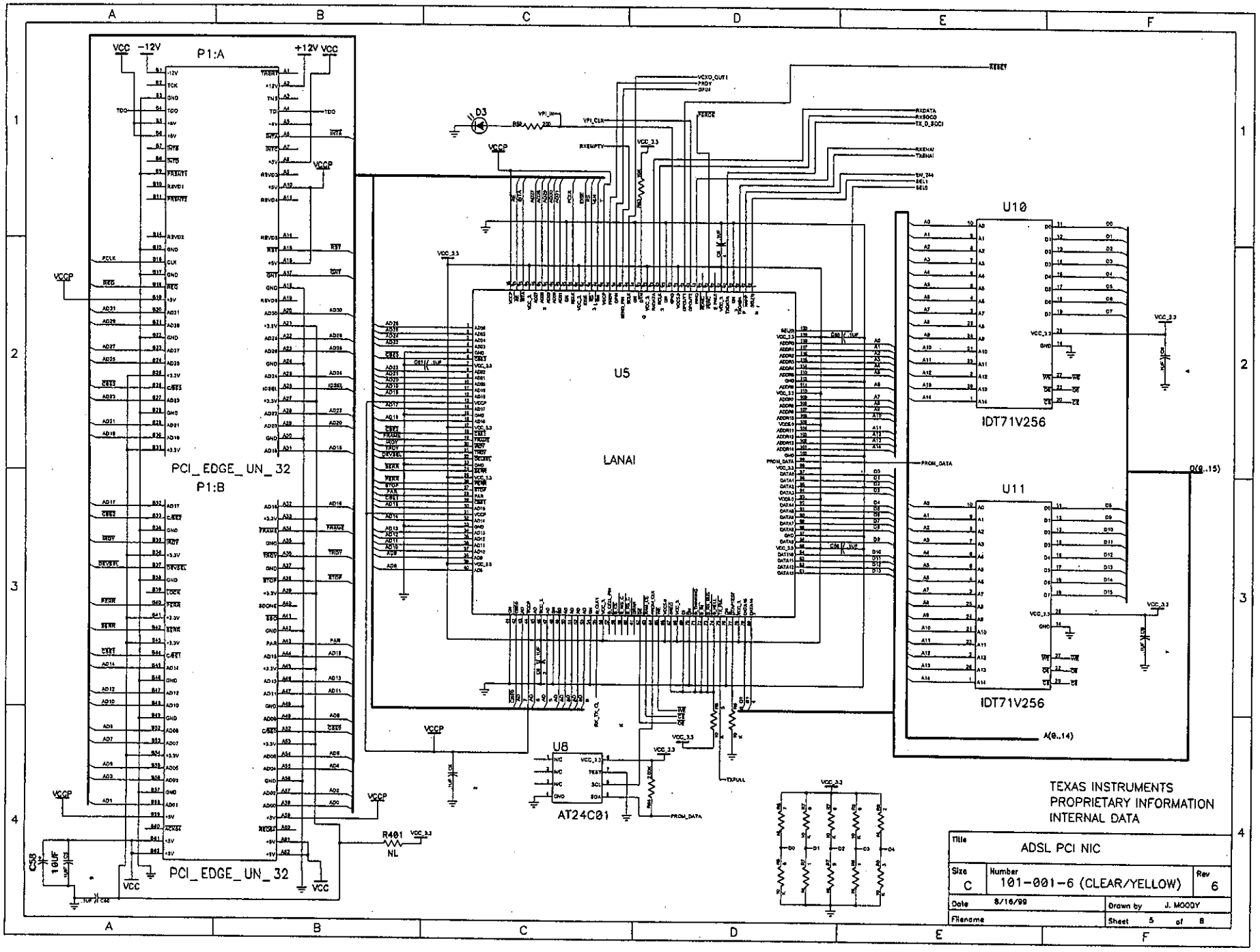
INTERNAL DATA

Title: ADSL PCI NIC		
Size: C	Number: 101-001-6 (CLEAR/YELLOW)	Rev: 6
Date: 8/16/99	Drawn by: J. MOODY	
Filename:	Sheet: 4 of 8	


P1:A
P1:B
PCI_EDGE_UN_32
PCI_EDGE_UN_32
U5
LANAI
U10
IDT71V256
U11
IDT71V256
U8
AT24C01
D3
R401
NL
C58
1 6UF
TEXAS INSTRUMENTS
PROPRIETARY INFORMATION
INTERNAL DATA
Title
ADSL PCI NIC
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C
Number
101-001-6 (CLEAR/YELLOW)
Rev
6
Date
8/16/99
Drawn by
J. MOODY
Filename
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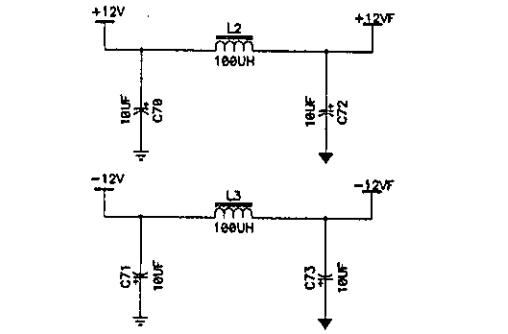
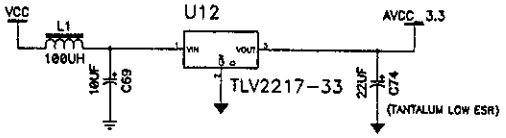
8

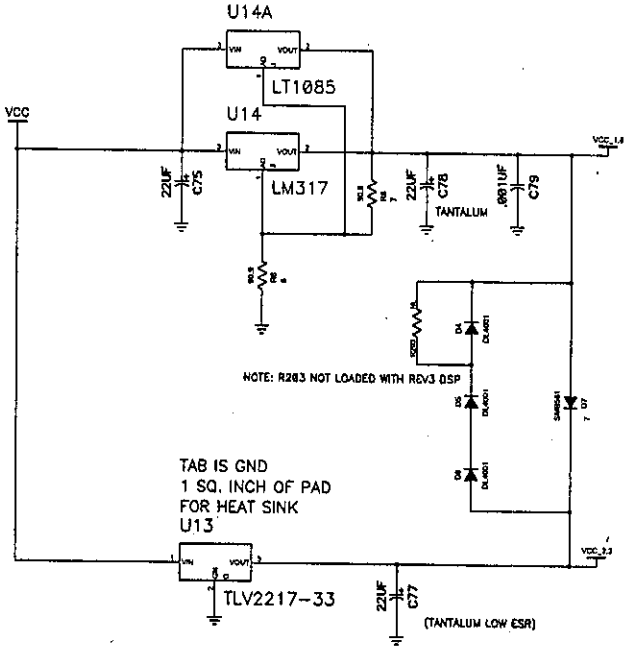


TAB IS GND
1 SQ. INCH OF PAD
FOR HEAT SINK



TAB IS VOUT
1 SQ. INCH OF COPPER ON FRONT
1 SQ INCH OF COPPER ON BACK
CONNECTED WITH 6 LARGE VIAS

USE U14 WITH REV3 DSP R86 = 40.2
USE U14A WITH REV2 DSP R86 = 90.9



TAB IS GND
1 SQ. INCH OF PAD
FOR HEAT SINK

REV 1 – BIG-BLUE REV6 W/O VB 4/6/99
REV 1A – CHANGED R1,R2 TO 1206,
CHANGED SW1 TO
GPI152. ADDED R401 4/21/99
REV 2 – ADDED U20 PLD FOR VPI
SWITCHING,CHANGED SWITCH
ETC. 5/14/99
REV 2A – CHANGED SCHEMATIC TO MATCH
NETLIST CHANGES AT PII. 5/21/99
REV 3 – (U16 V6) R95 GOES TO GND
RATHER THAN VCC,
R92 NOT LOADED
8/4/99
REV 4 – HPNA MODS
REV 5 – COMPONENTS SPREAD ON SOLDER SIDE.
HPNA REMOVED
REV 6 – CHANGED ICT AND TP'S , UPDATE
SCHEMATIC TO LATEST (THS4012,ETC.)

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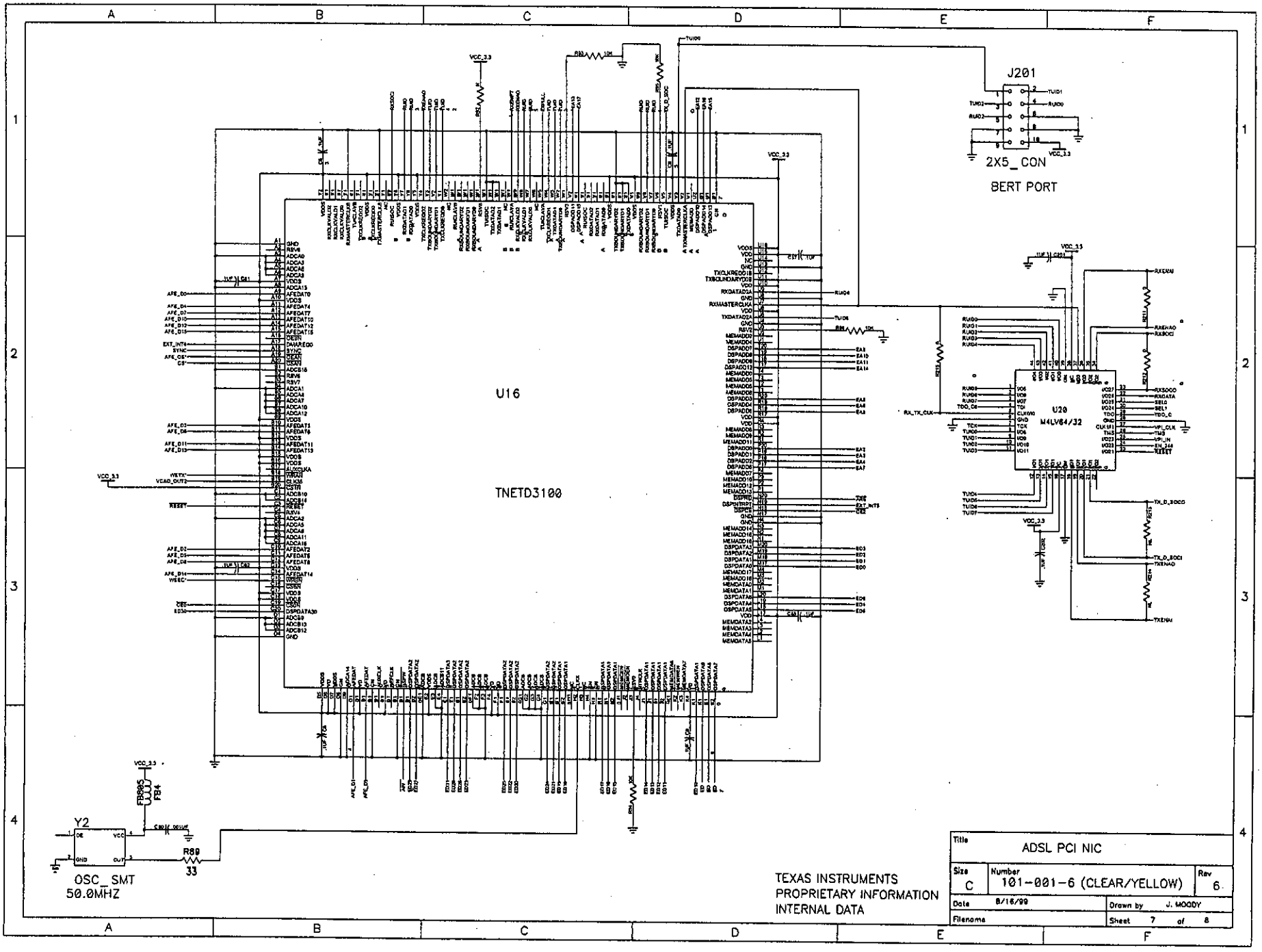
J201
2X5_CON
BERT PORT
U16
TNETD3100
U20
M4LV64/32
Y2
OSC_SMT
50.0MHZ
R69
33
TEXAS INSTRUMENTS
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J. MOODY
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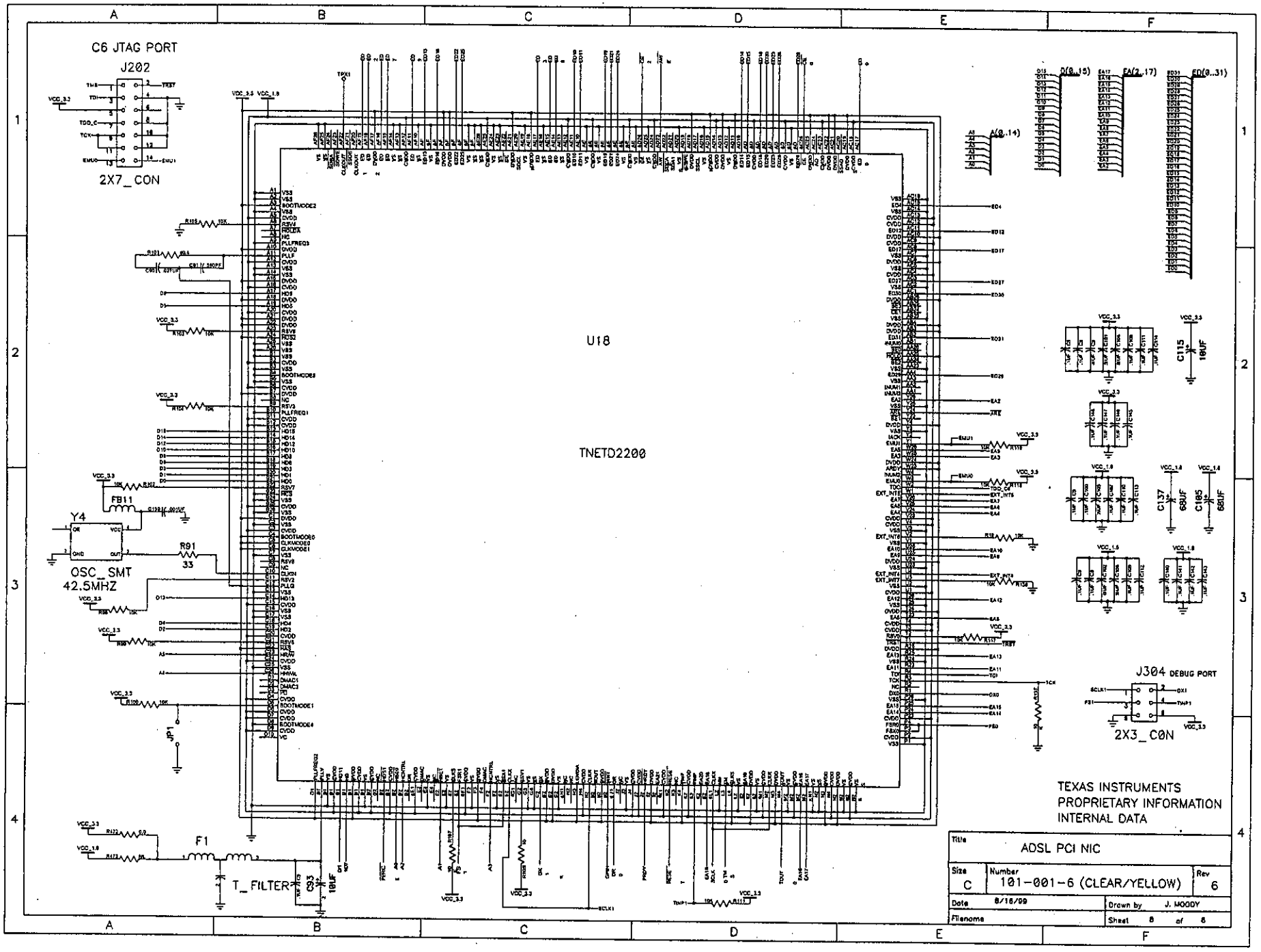
C6 JTAG PORT
J202
2X7_CON
U18
TNETD2200
Y4
OSC_SMT
42.5MHZ
R91
33
FB11
F1
T_FILTER
C93
18UF
JP1
J304 DEBUG PORT
2X3_C0N
C115
18UF
C137
68UF
C185
68UF
TEXAS INSTRUMENTS
PROPRIETARY INFORMATION
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Rev
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Date
8/16/99
Drawn by
J. MOODY
Filename
Sheet
8
of
6